

## ABSTRACT

An ink jet recording apparatus includes an ink jet head, a reference pulse generation circuit, and switch circuits. The reference pulse generation circuit is a circuit for generating, at a predetermined cycle, a first reference pulse P4a based on which a driving pulse is produced. A preliminary pulse P1 is for vibrating an ink meniscus in the tip portion of a nozzle. A discharge pulse P2 is for discharging an ink droplet through the nozzle. The switch circuits selectively input, to piezoelectric actuators, the preliminary pulse P1 and the discharge pulse P2 generated by the reference pulse generation circuit.